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ABSTRACT

Produced for primary grades, this booklet provides study of the oxygen-carbon dioxide cycle in nature. Line drawings, a minimum amount of narrative, and a glossary of terms make up its content. The booklet is designed to be used as reading material, a coloring book, or for dramatic arts with students acting out parts of the cycle. This work was prepared under an ESEA Title III contract. (BL)

The Oxygen Cycle

ED 079048

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Hello! We would like

To be your friends.

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Deer Lodge, Montana
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Dear Teacher,

The following booklet is on the oxygen-carbon dioxide cycle. This is one of the main cycles that exists in nature. This booklet is designed so that you can use it as reading material, a color book, or you can have your students act out the cycle.

Also provide on the last page, is a blank space so that the students can trace the trip on there own.

Others available in this series are:

Johnny Raindrop

Oxygen Twins

ABC's of Water

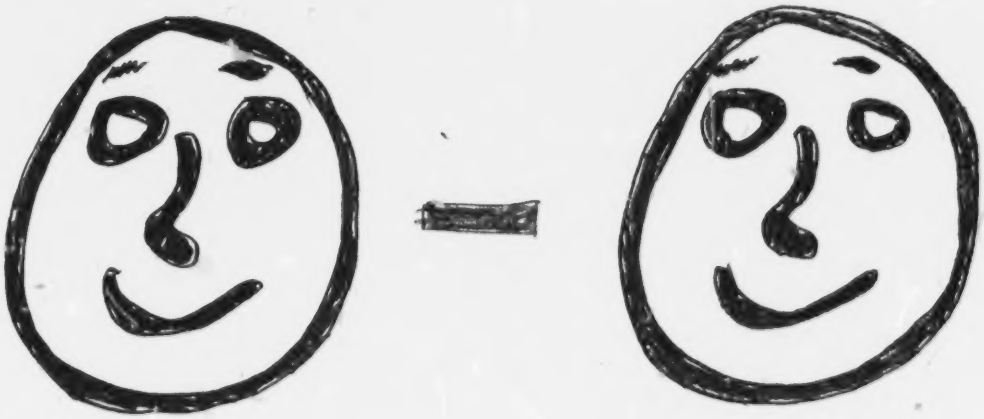
Ecky says, "Brush up on your Ecology."

The Rock Cycle

Coco Nut Meets the Gadget Maker

Clyde, Johnny, and The Oxygen Twins Want to Talk To You

Hi!



Our Names are

Oxygen. We are

Twins.

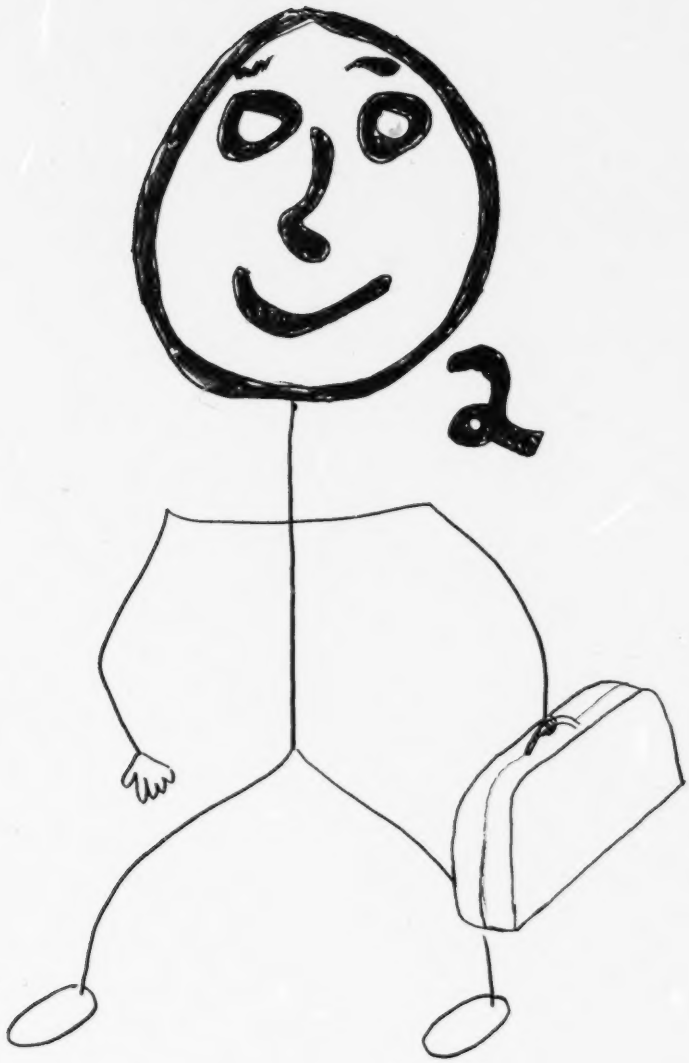
Because we are Twins

you will usually see us

like This. Do you see the 2?

That's because there are Two

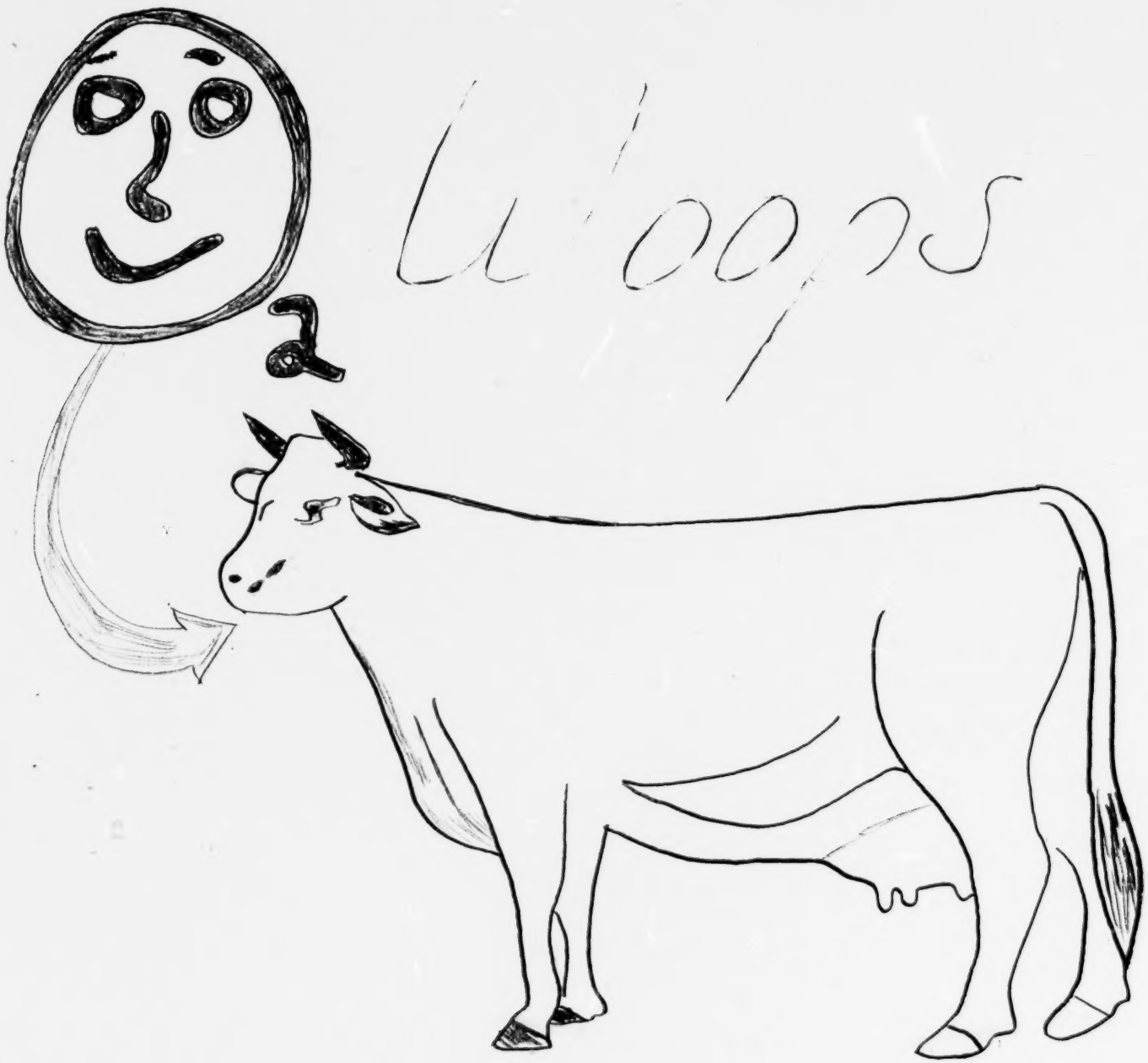
of us.



We are going on a trip and we would like you to come along. Would you like that? We take this trip everyday. It's Fun!

Because we are a gas we can
float all over the world

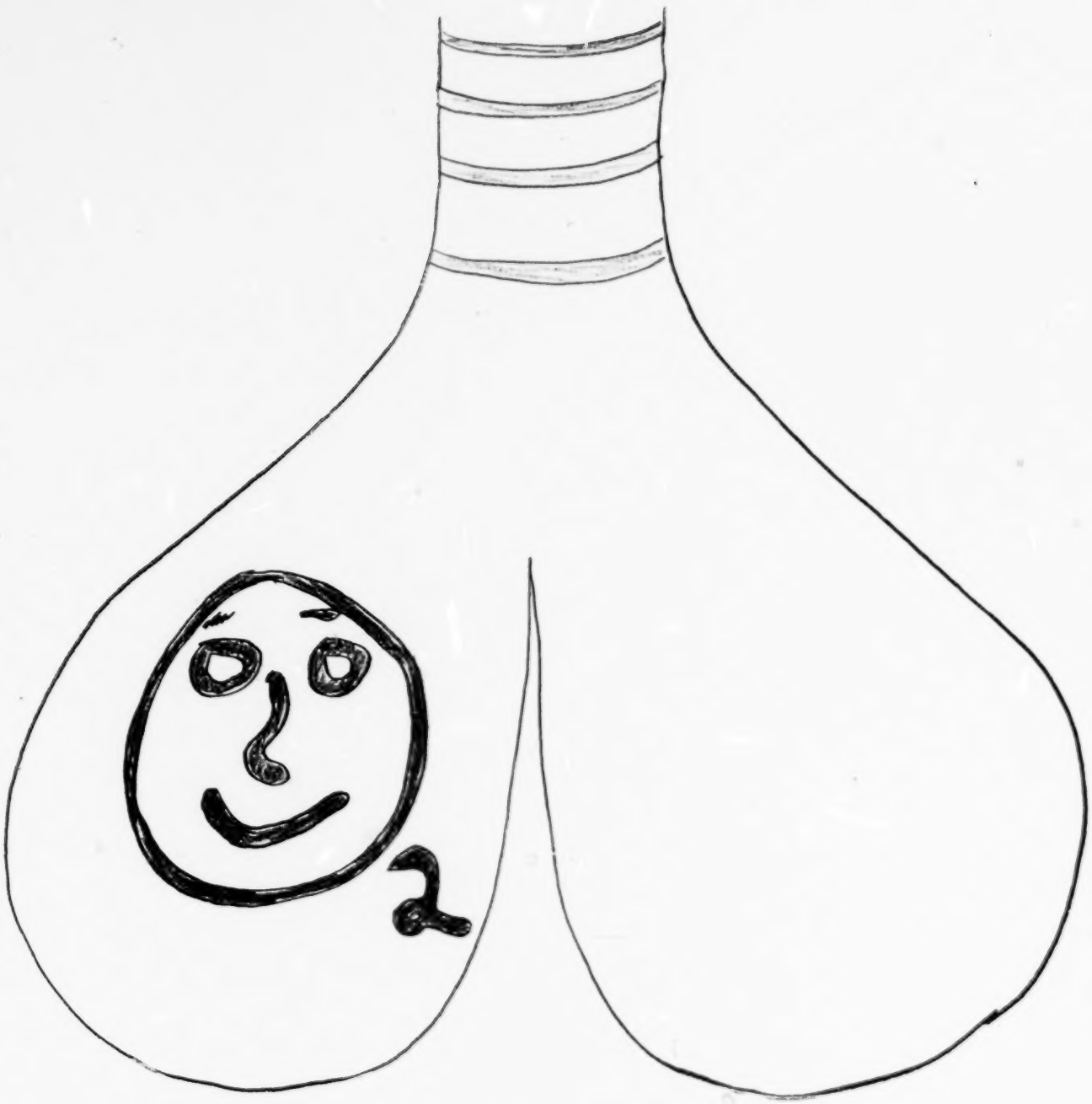
Sometimes we go strange Places.



Uh oh, I'm

Here we go into

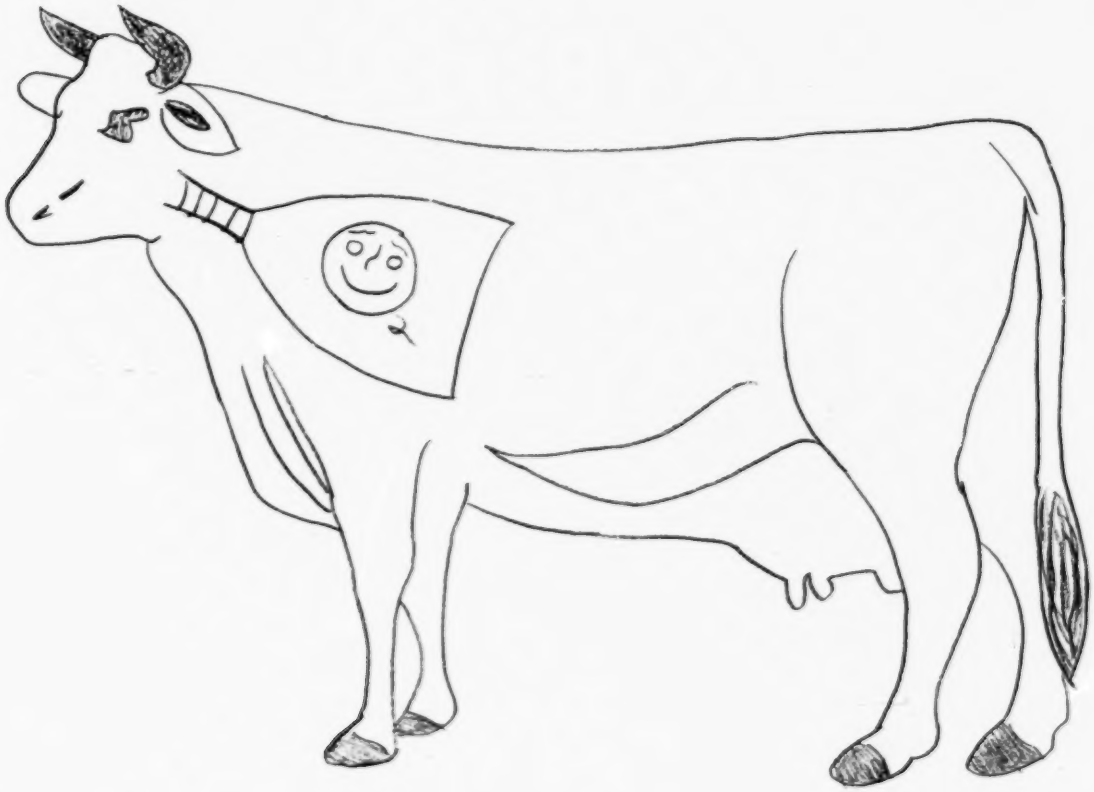
that cow.



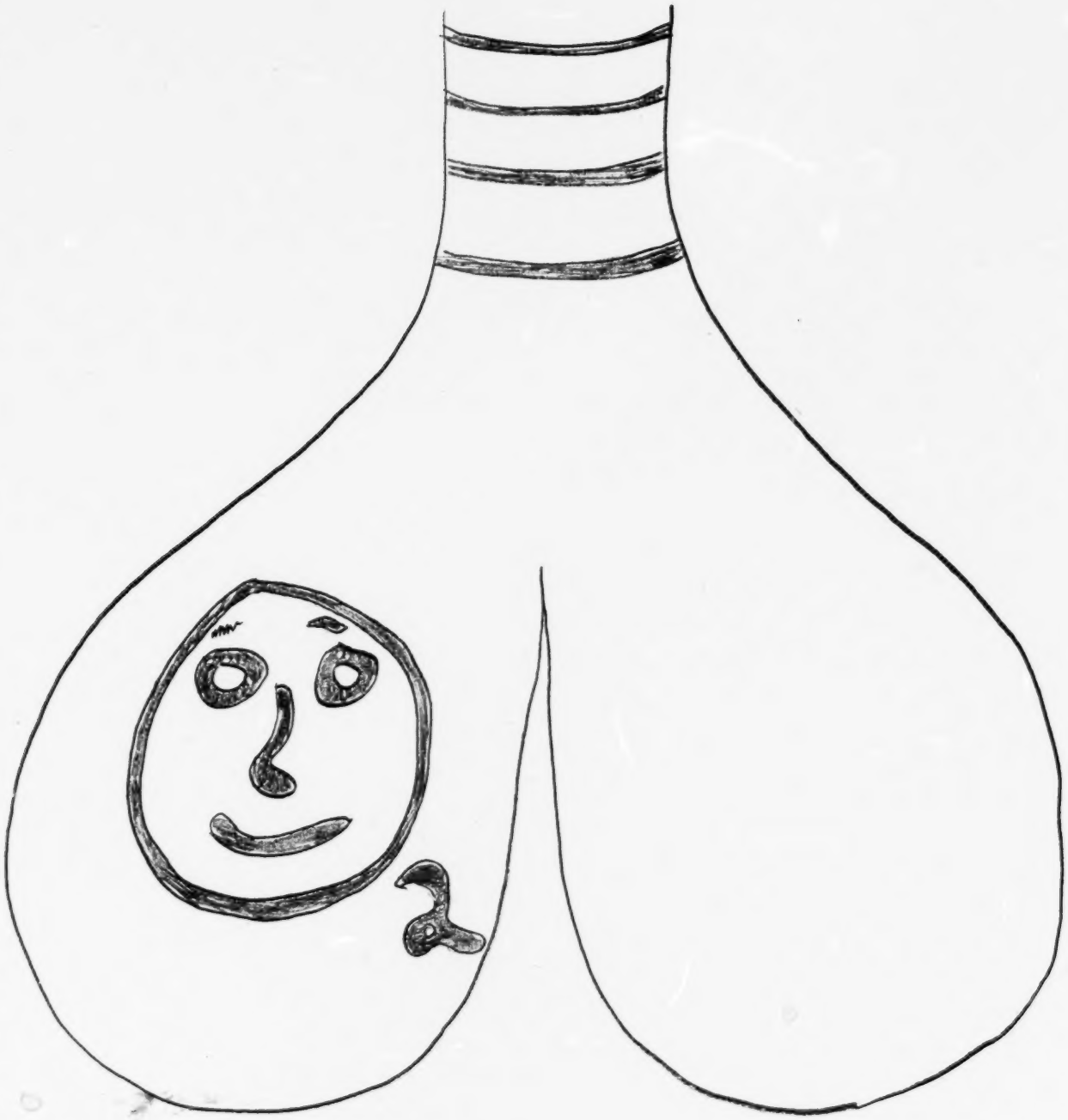
Isn't this fun? I bet you never thought you would end-up inside of a cow's lung, did you?

Why do you think we are in her lungs? Actually we are keeping The cow alive.

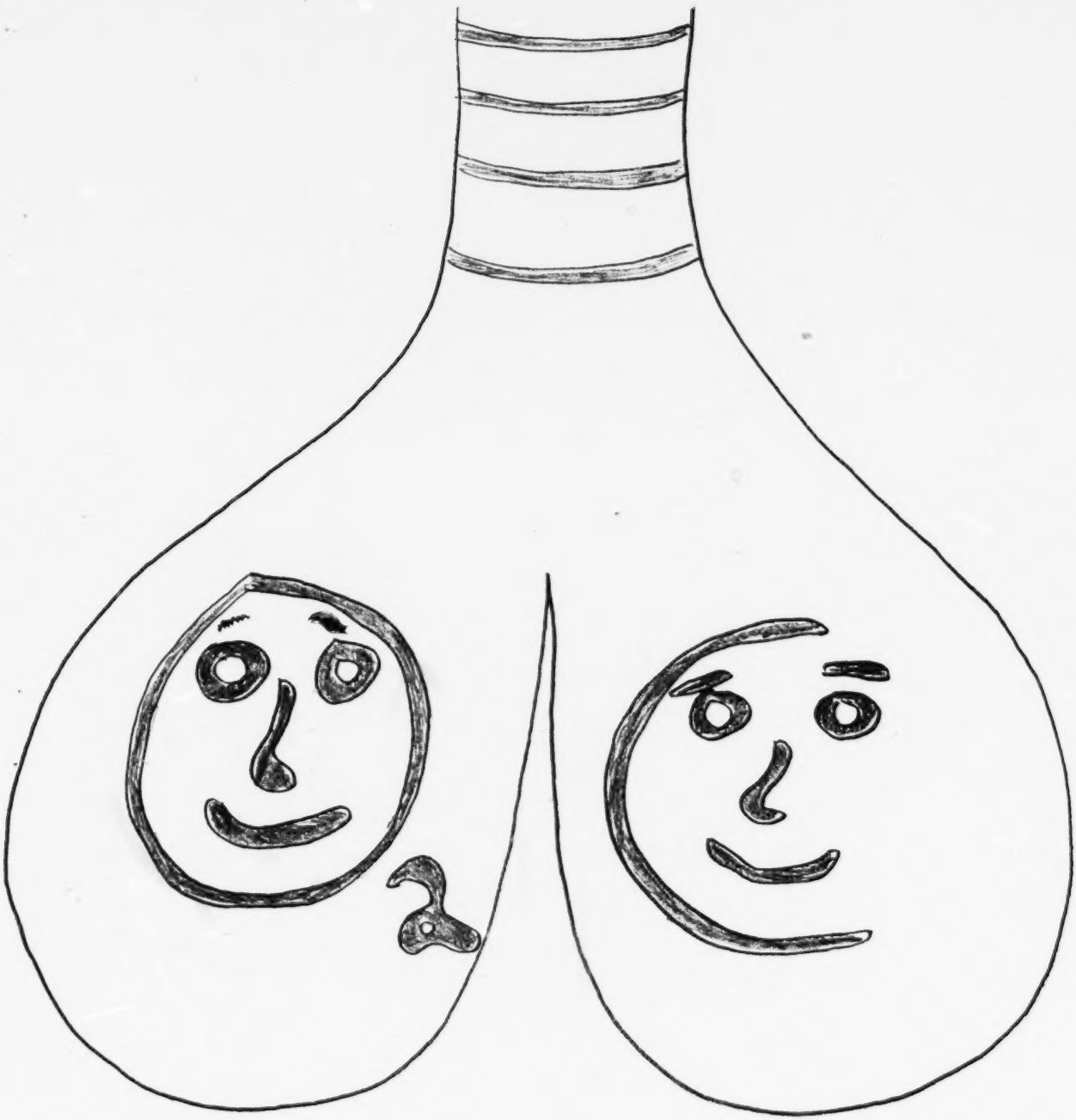
She needs to <u>breathe</u>.



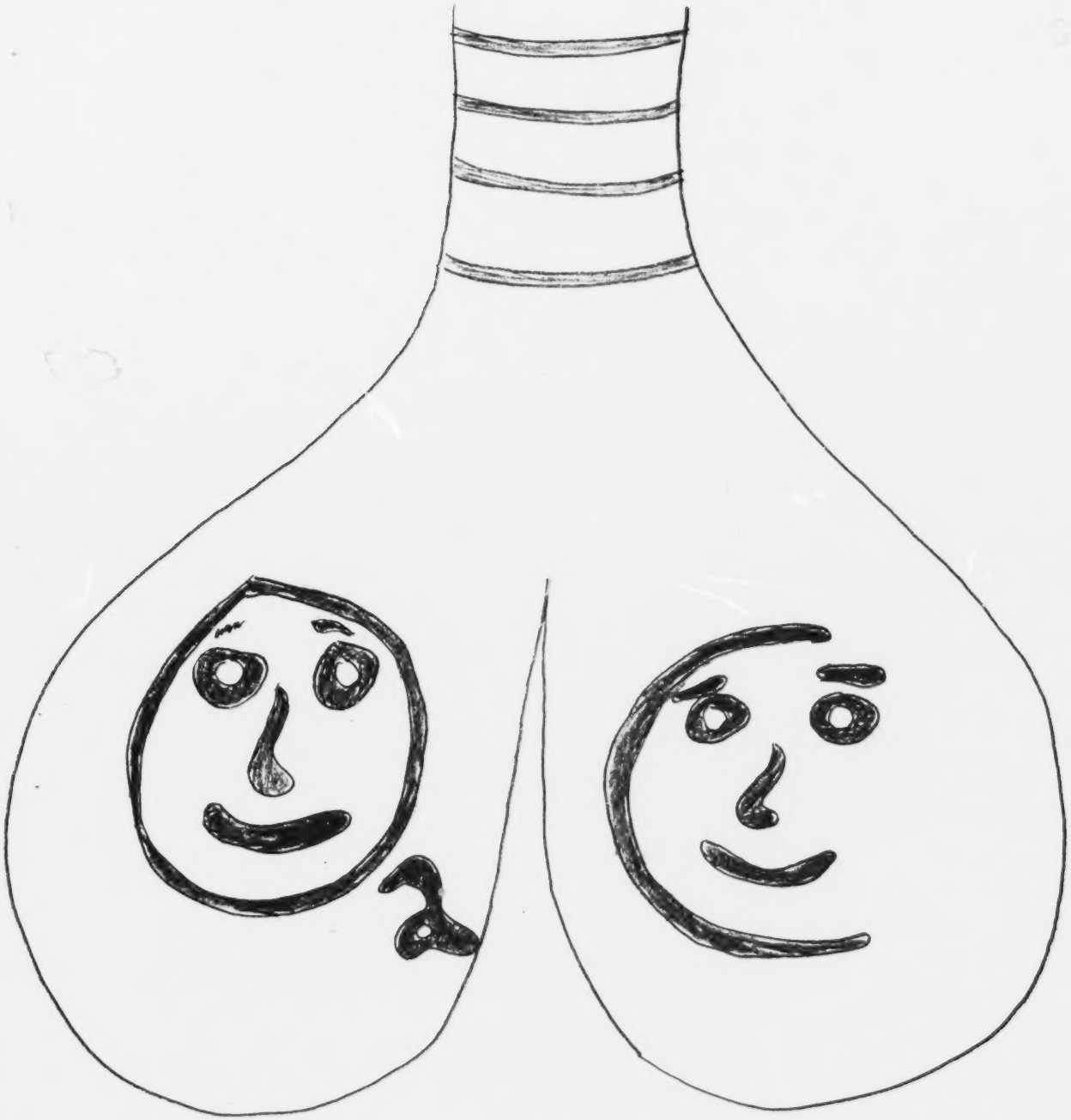
Maybe next time we will be in your lungs. Maybe we already are there.



We are here to pick up a friend of ours that the cow doesn't need anymore. His name is Carbon. here he comes now!



Hi Carbon!
How are you?

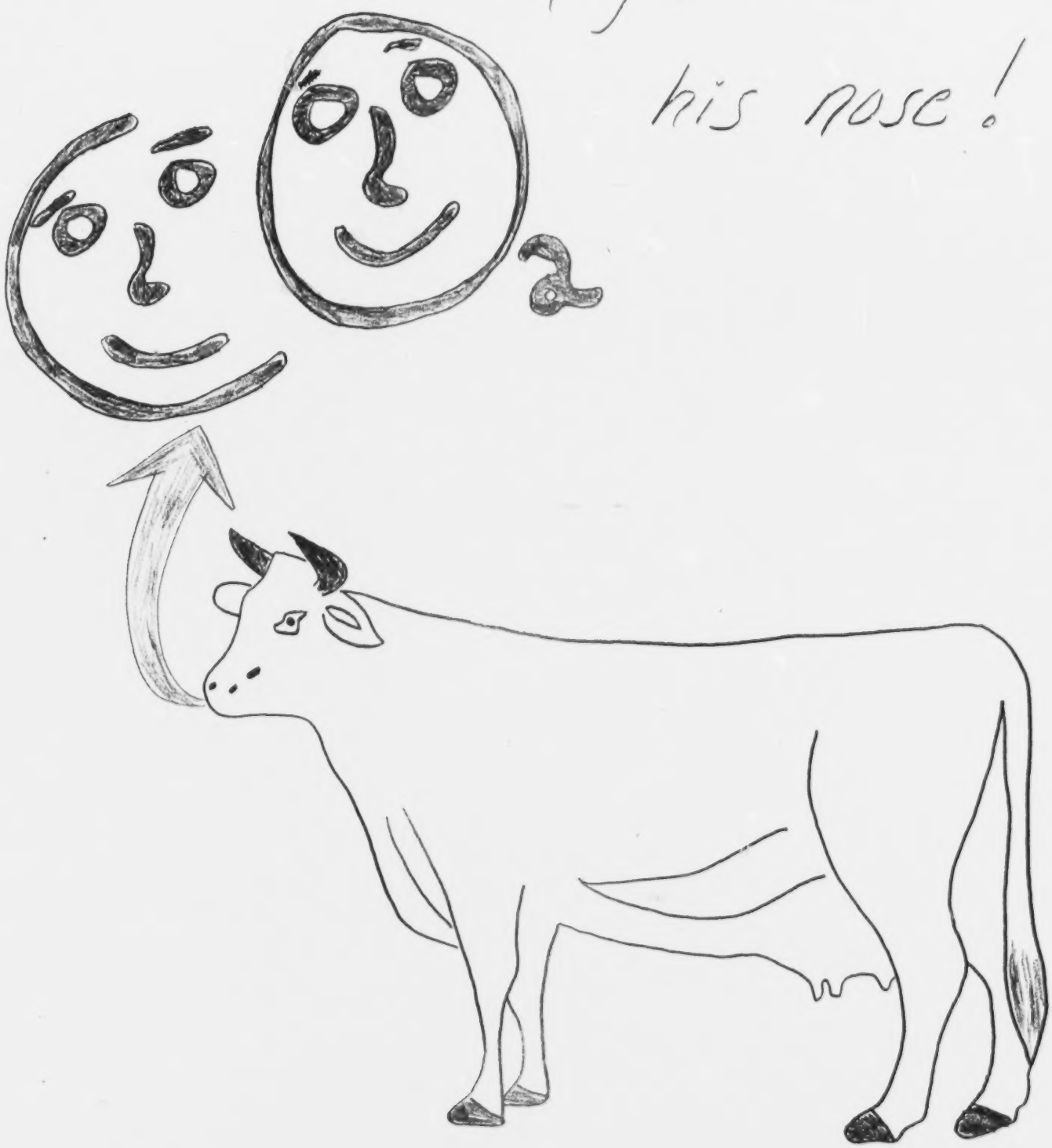


"I'm fine," said Mr. Carbon.
"The cow is through with me; are
you ready to go?"

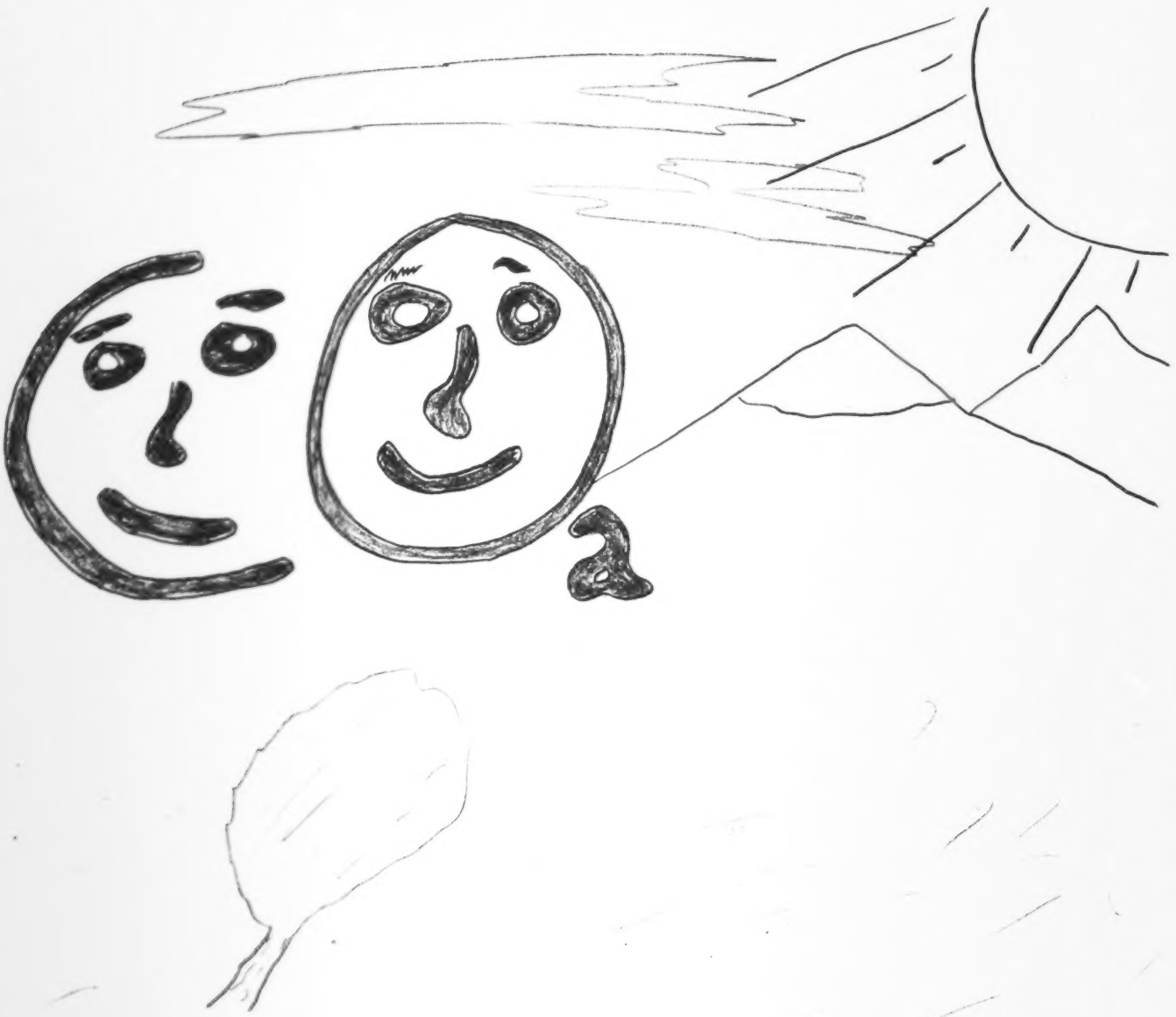
Here we go

Right - out

his nose!

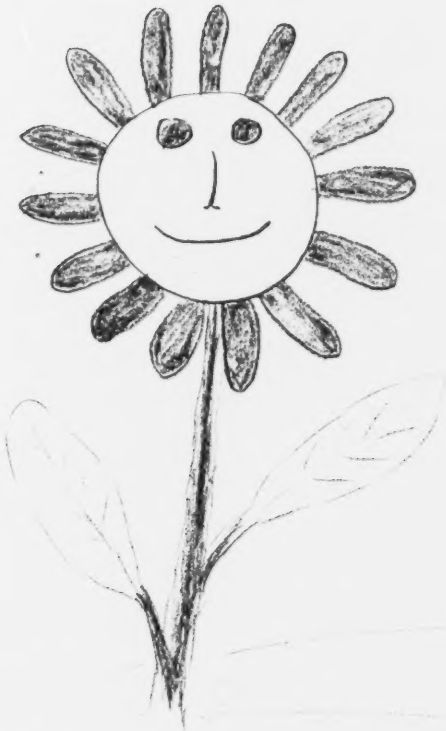


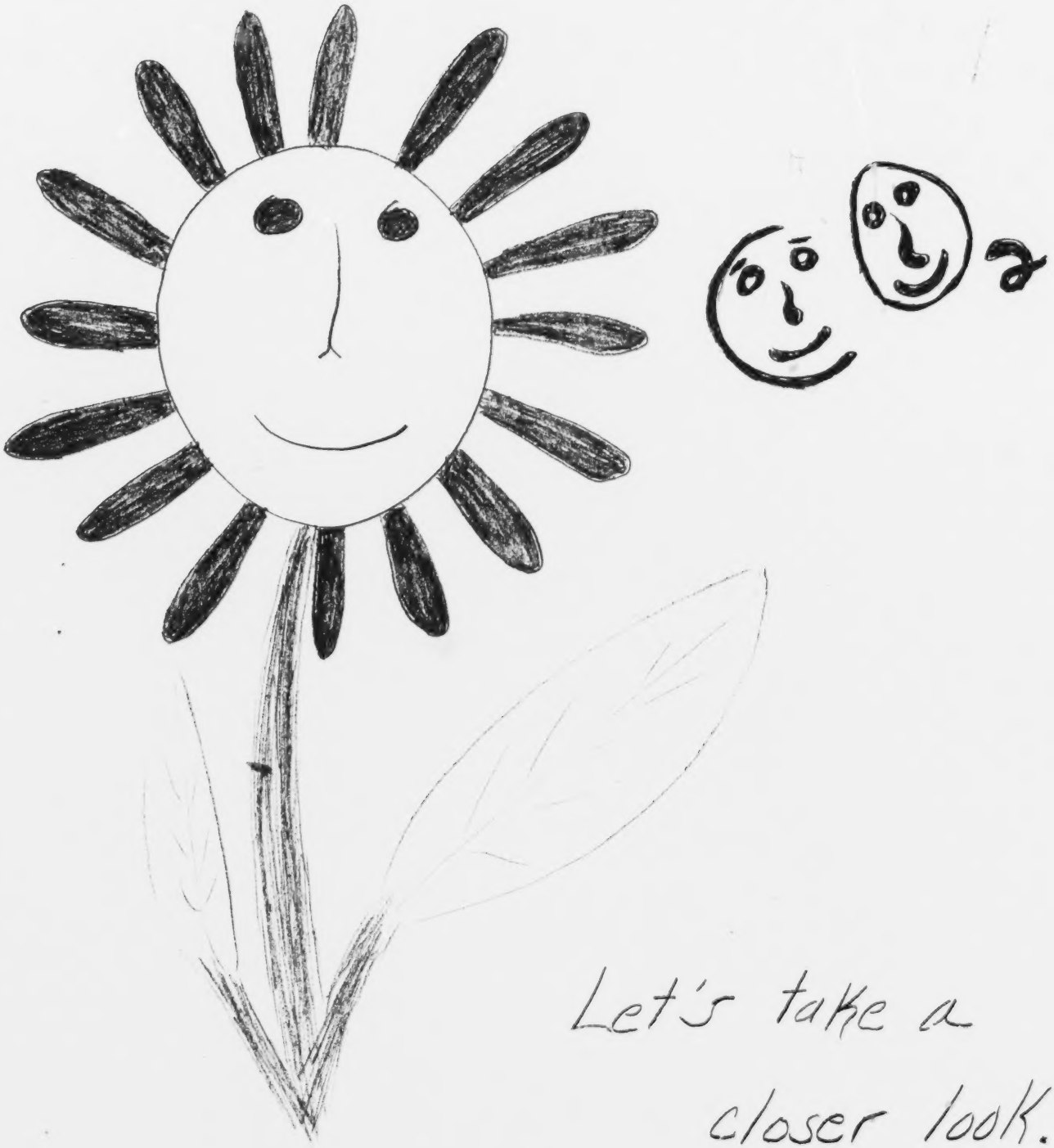
Hey wait a minute!
We're not the same, we're
hooked together. We're now
a gas called Carbon
Dioxide.



I hope you don't mind that we have another one with us on our trip. You don't? Good! Well let's float along.

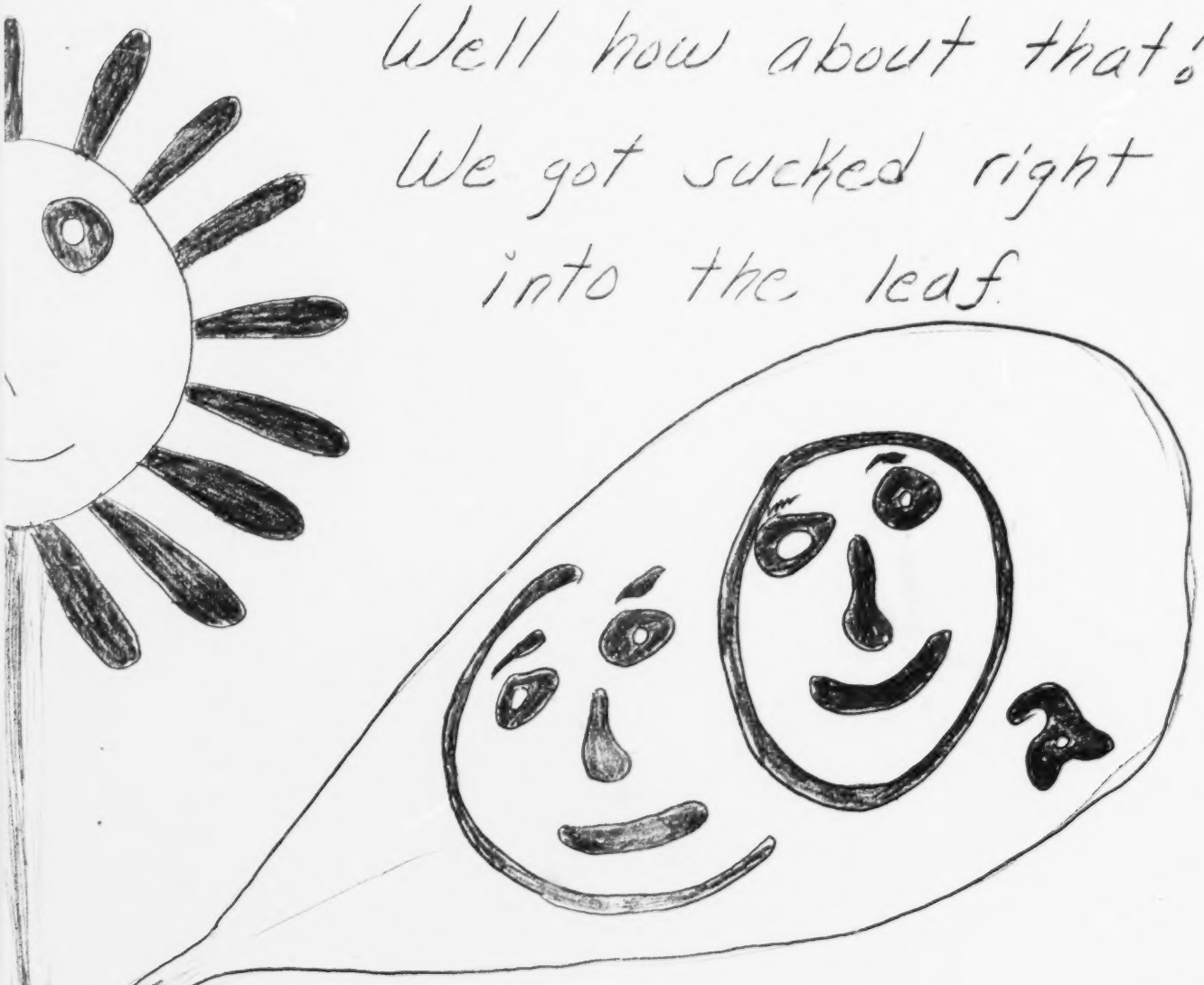
Gee, that sure is a pretty plant down there.



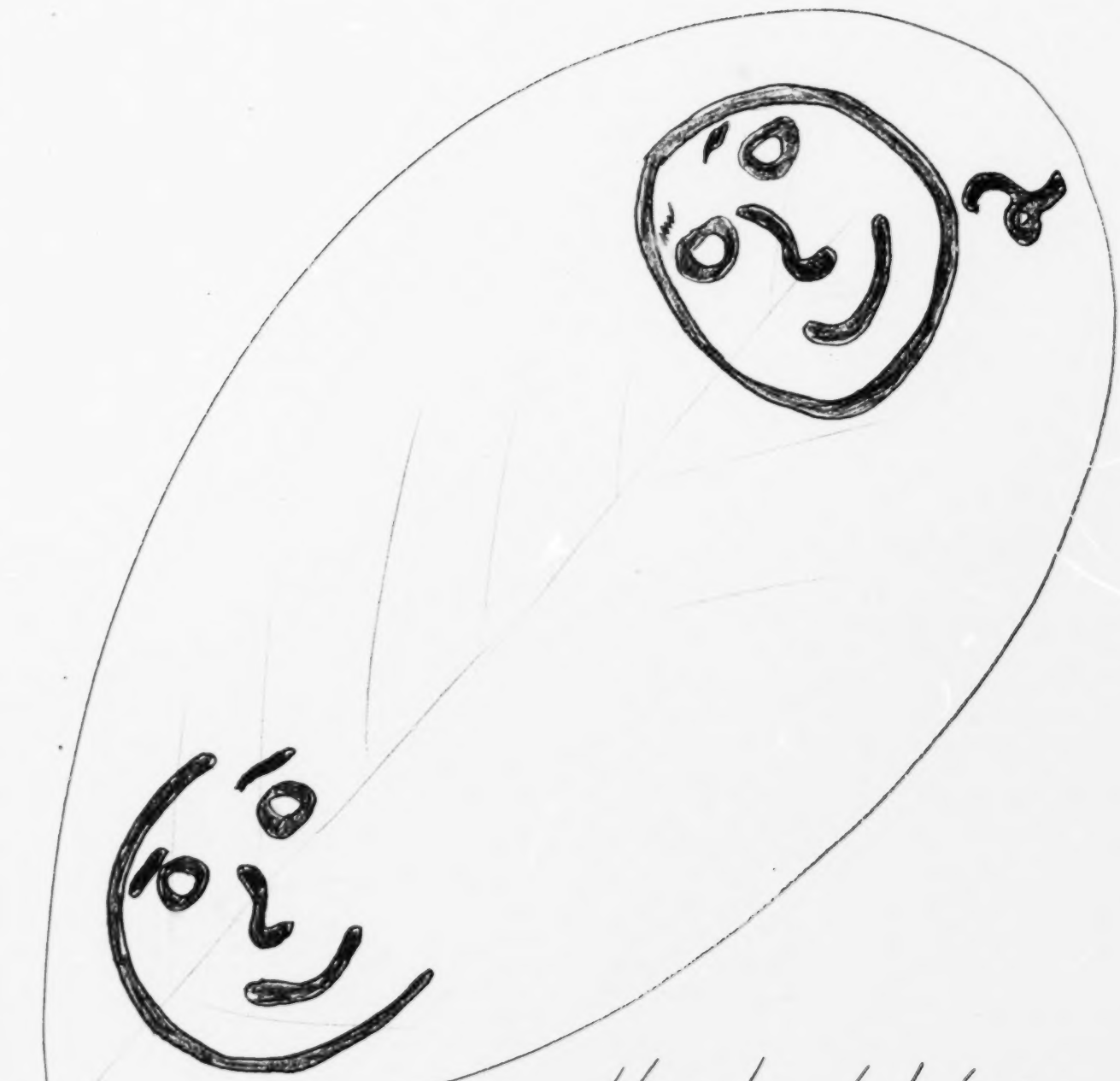


Let's take a closer look.

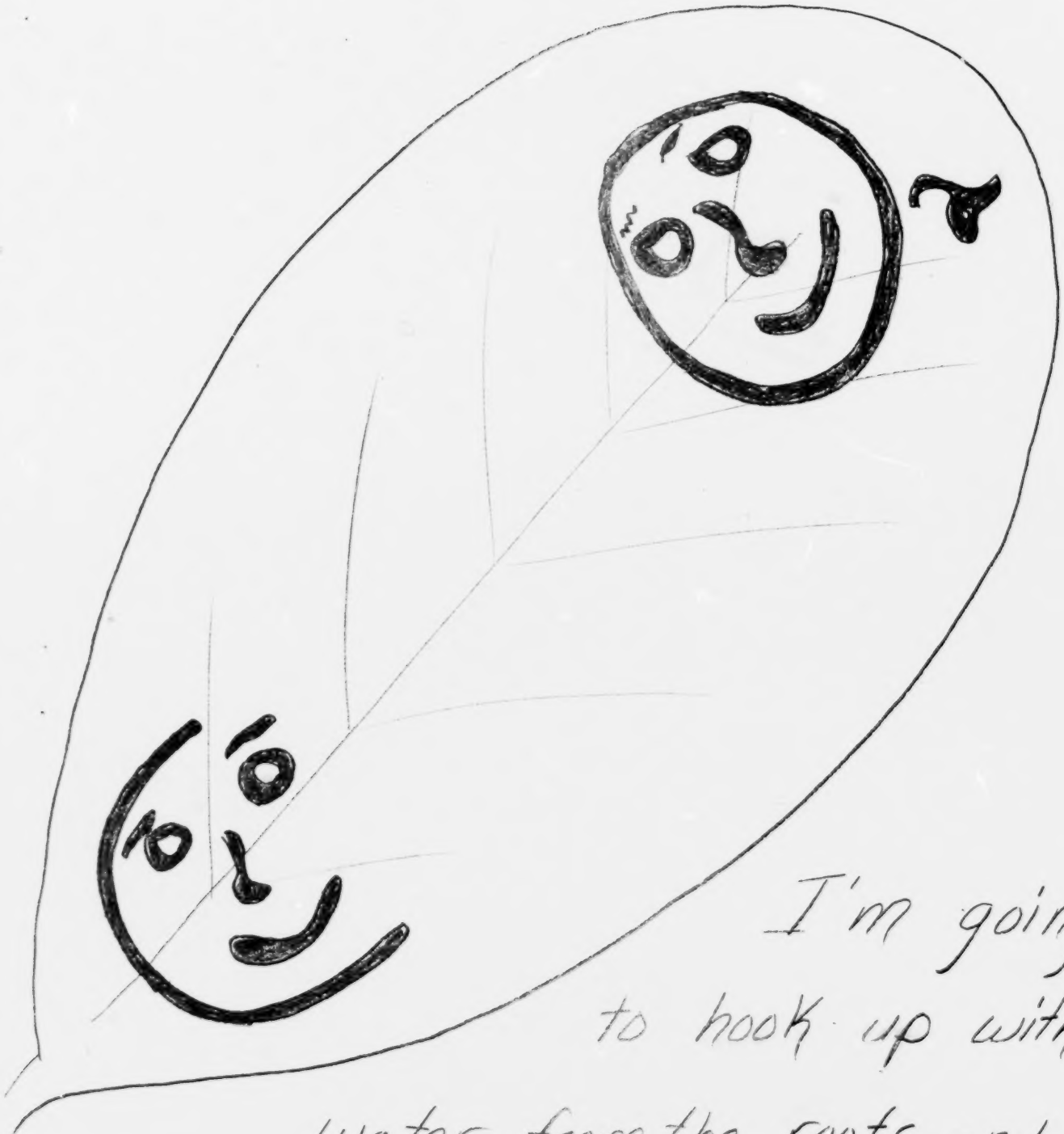
Well how about that!
We got sucked right
into the leaf.



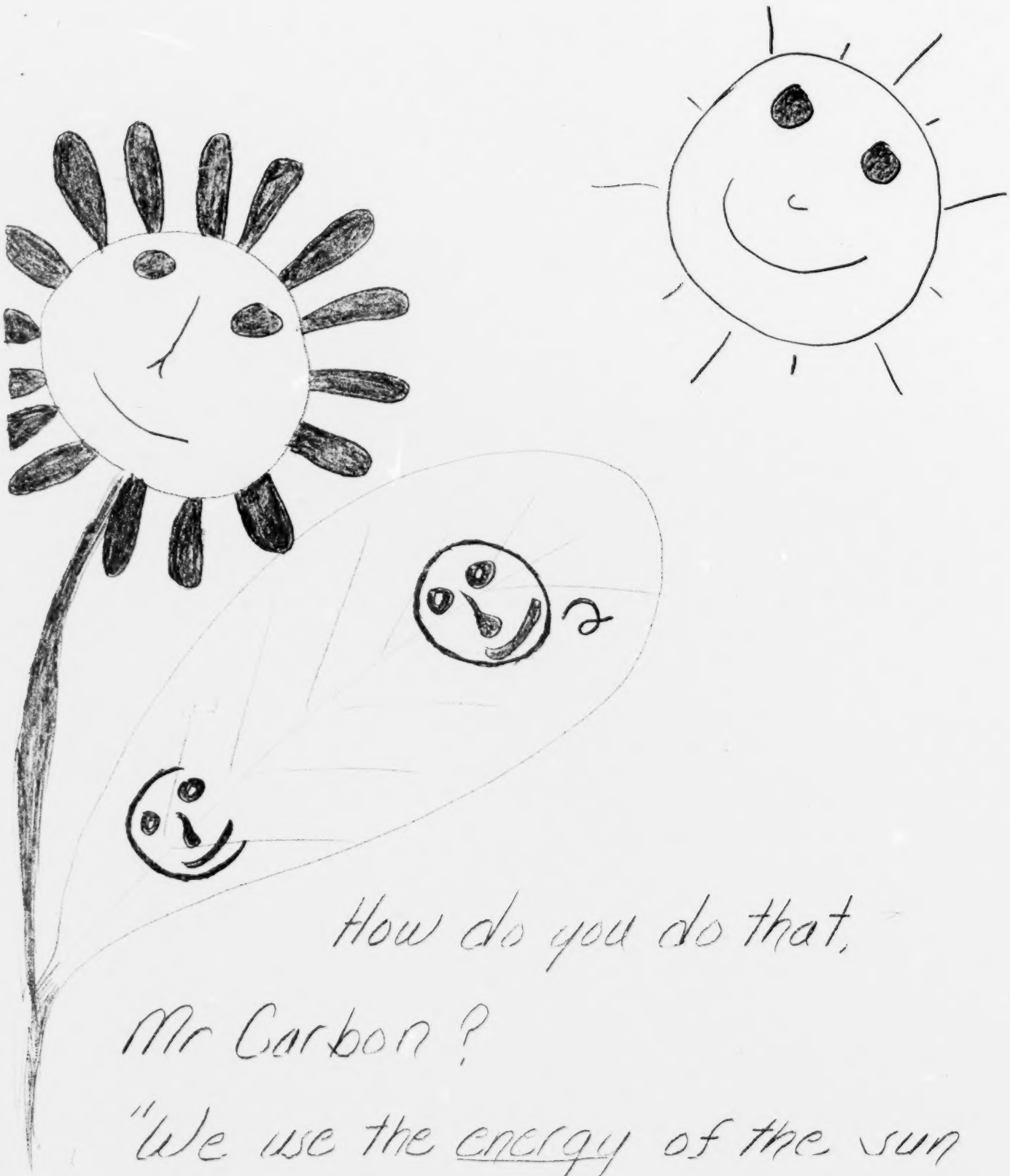
I bet you never thought that
would happen!



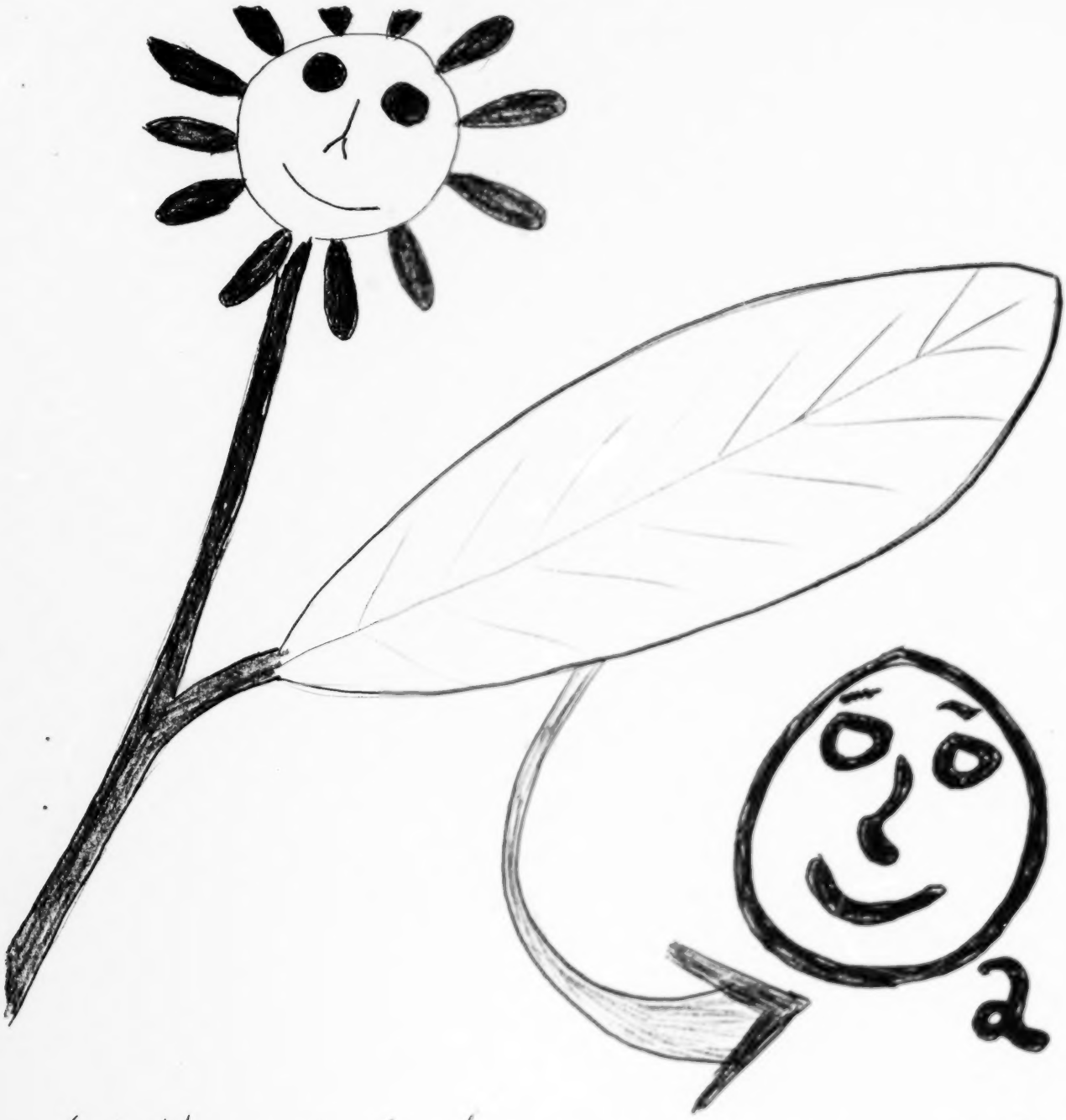
Hey! We're apart again. Where are you going Carbon?



I'm going
to hook up with
water from the roots and
make sugar.



How do you do that,
Mr Carbon?
"We use the energy of the sun
to hook us together," he said.

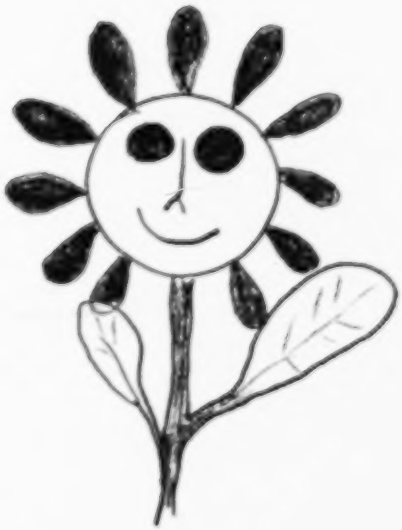


Well, what do you know, after Mr. Carbon left we got pushed out into the air again.

See you Mr. Carbon!

Wasn't that

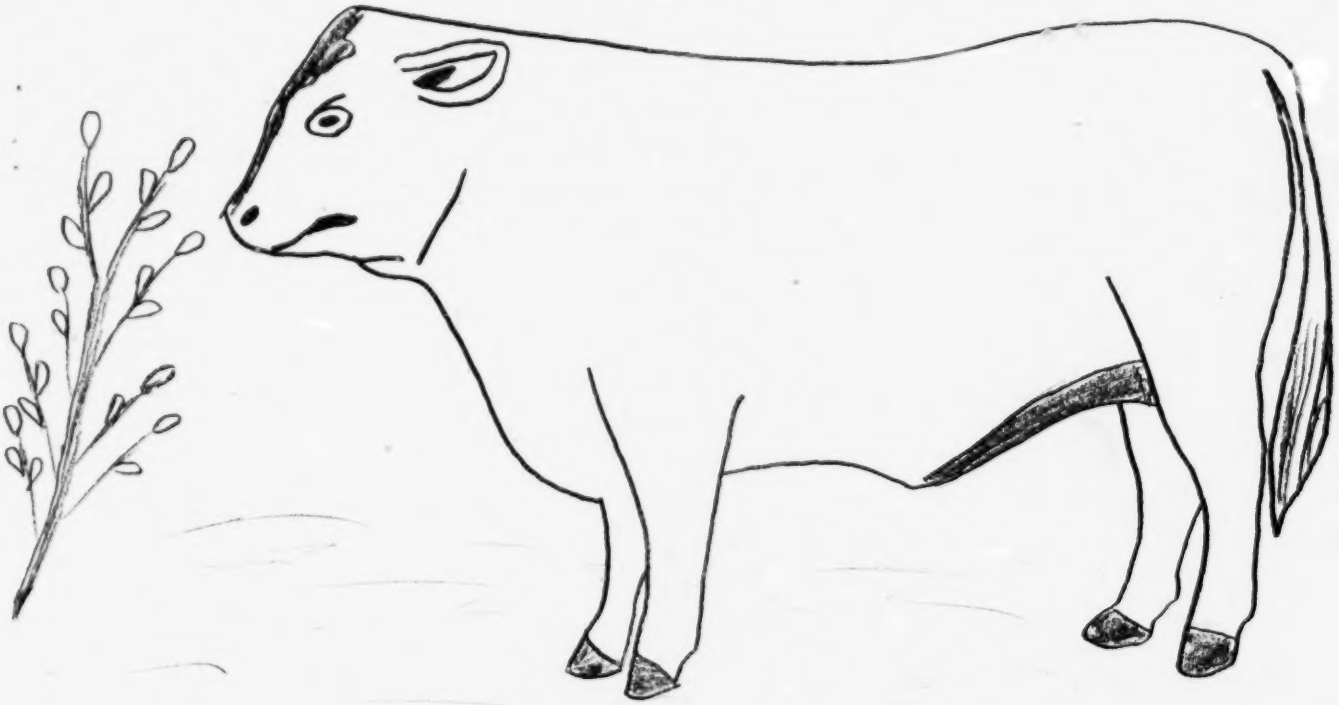
Mr Carbon, a nice guy?



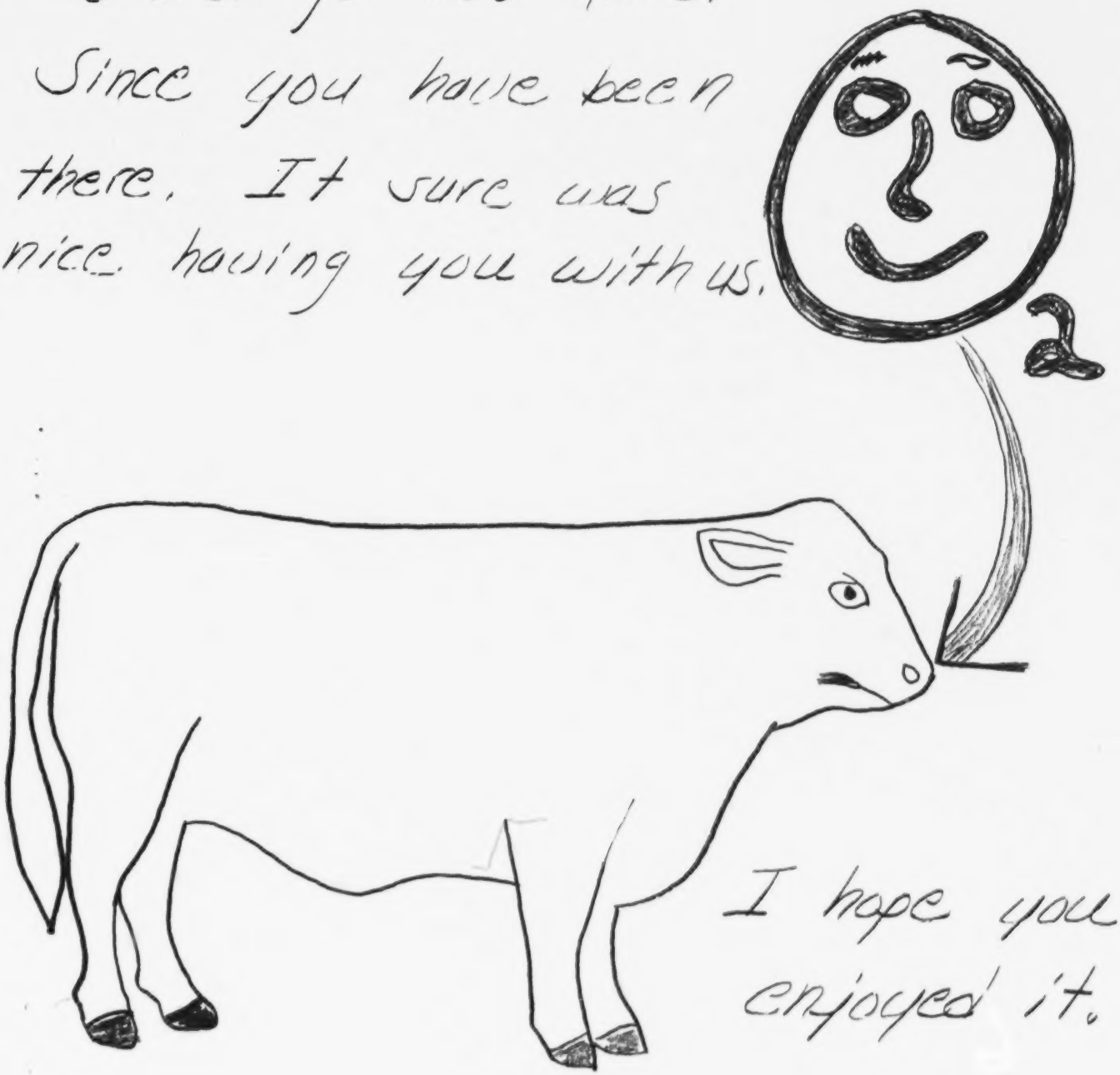
Here we go!

I wonder how Mr. Carbon got into the cow in the first place?

Oh, I see
Mr. Carbon as a part
of sugar in plants
was eaten by the
cow for food.



Looks like we're going back into that cow. You might as well get off here. Since you have been there. It sure was nice having you with us.



I hope you enjoyed it.

DO YOU THINK THAT YOU CAN FOLLOW THE TRIP THAT THE OXYGEN TWINS TOOK ON THIS PAPER?

ANOTHERNAME FOR THIS TRIP IS PHOTOSYNTHESIS.

Glossary:

AIR- This is the gasses that make up the winds, and what we breath.

BREATHING - The act of taking in air through your nose or mouth.

CARBON- This is material that is found inside of the body. Burned wood is carbon.

CARBON DIOXIDE- This is a gas that you breath out after brething in oxygen.

ENERGY- This is material that comes from the sun. You can feel it as heat if you stand in the sunlight.

GAS- A gas is a material that floats in the air and has no shape.

LUNGS- You have a set of lungs in you that expand and allow you to take in air. This is called breathing.

OXYGEN- This is one of the gasses in air that you need to stay alive.

PLANTS- They are living things that take the energy of the sun and make food from it.

ROOTS- They are found on the bottom of a plant and take in water and help hold the plant in place.

SUGAR- This is food that contains the energy of the sun. We eat it when we eat foods of all kinds.